

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2003-235252

(43)Date of publication of application : 22.08.2003

(51)Int.Cl.

H02M 3/155

B60L 7/22

B60L 11/18

(21)Application number : 2002-032973

(71)Applicant : TOYOTA MOTOR CORP

(22)Date of filing : 08.02.2002

(72)Inventor : TSUCHIYA JIRO

(54) POWER CIRCUIT

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a power circuit which is equipped with a DC-DC converter which operates with a favorable conversion efficiency even if the input power changes.

SOLUTION: This power circuit is composed of a master slave type DC-DC converter 3, a controller 4, and current/voltage sensors 5 and 6, and this is provided together with an inverter between an electric motor 1 and a battery 7. The controller 4 controls a master DC-DC converter 31 and slave DC-DC converters 32 and 33, on the basis of the requested output voltage from the inverter 2, the input-output current voltage information from the current/voltage sensors 5 and 6, the battery voltage information from the voltage sensor 6, and others.

